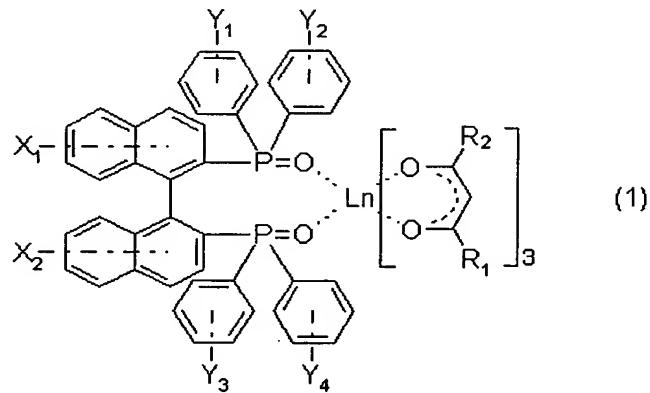


ABSTRACT

The present invention relates to a new optically active rare earth complex (1) represented by a general formula (1);



(in the formula, X_1 and X_2 each independently represents a hydrogen atom, a halogen atom, an alkyl group having 1 to 4 carbon atoms or an alkoxy group having 1 to 4 carbon atoms; Y_1 , Y_2 , Y_3 , and Y_4 , each independently represents a hydrogen atom, a halogen atom, or an alkyl group having 1 to 4 carbon atoms; R_1 represents an alkyl group having 1 to 8 carbon atoms, a fluorine-substituted alkyl group having 1 to 8 carbon atoms, or a phenyl group; R_2 is a group selected from the group consisting of (a) cyclopentadienyl groups, (b) phenyl groups, and (c) naphthyl groups).